

1 **ABSTRACT**

2 A controllably rotatable seat having an arm to which one or more seats are attached. The
3 arm is rotatably connected to a carrier. An electrical motor, pneumatics, hydraulics, or any other
4 mechanism that is well known in the art for producing rotation rotates the arm and, consequently,
5 the seat or seats. Initiation of rotation and returning of the seat or seats to their original
6 orientation is accomplished by a timer, a sensor detecting targets, or the measurement of some
7 physical criterion associated with movement of the carrier. Preferably, a lever arm connects the
8 arm to the means for rotating so that the point of rotation of the means for rotating will be
9 substantially aligned with the center of gravity of a participant sitting on the seat.